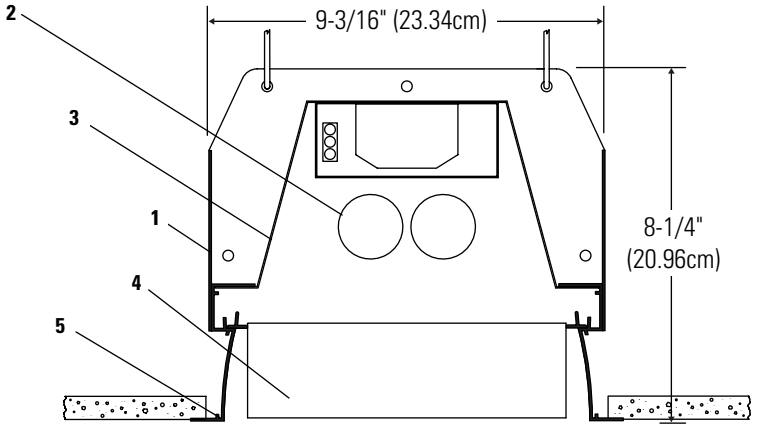
Central Trough Recessed Direct Louver 2-Light T8 Per 4-Foot Section



Quarter Scale

Complete ordering instructions on back.

Features

1. **Housing:** Die-formed steel, slotted for air return. Integral flanges at each end strengthen the housing and permit housings to be bolted together in continuous runs and facilitate suspension of fixture. Concealed openings for heat extraction and air return.
2. **Lamping:** One or two T8 or T12 fluorescent lamps, as specified. Provided by others.
3. **Reflector:** Die-formed prepainted white.
4. **Louver:** Semi-specular anodized aluminum, 40° lengthwise by 30° minimum crosswise shielding. Supported along both edges by concealed frame of extruded aluminum. Bold baffle, prismatic lens, gold anodized louver, open or egg crate louver available, consult factory.
5. **Ceiling Trim:** Extruded aluminum alloy with integral aligner splines and contoured for brightness control.
6. **Electrical Chassis:** Mounted into housing and secured by brackets and steel spring clips. Grounding and locking latches join chassis in continuous runs. Fluorescent lamps overlap 3" (7.62cm) to eliminate shadows.

Electrical

Specify 120 volt or 277 volt. 3 conductor, 18 gauge wire. Color-coded quick connectors allow ease of connection for joiner modules. For special circuiting, consult factory. Rapid start, HPF, class "P" thermally protected. PowerSpec HDF dimming ballast is available.

Mountings

Electrical housing is mounted without the removal of any screws, nuts or hardware. Housing is suspended by hanger wires.

Finish

Ceiling trim painted baked enamel semi-gloss white.

Options and Accessories

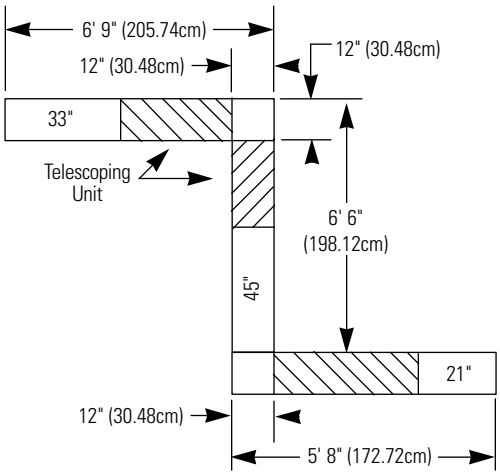
90 degree universal corner.

Labels

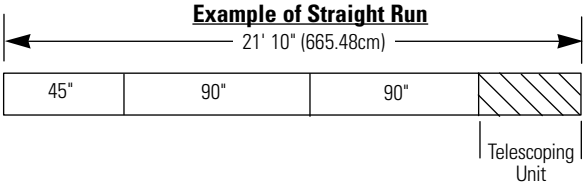
UL, cUL and I.B.E.W.

Sample Runs

Example of Pattern Run



Example of Straight Run



Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

Notes:

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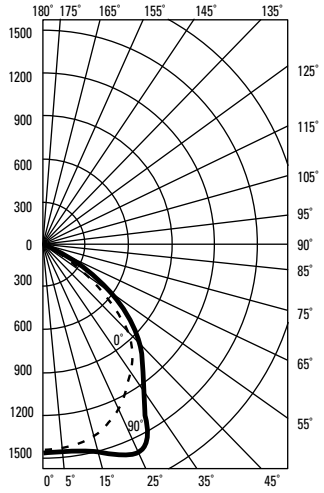
Performance & Quick Calculators

CANDLEPOWER CURVE



REPORT NO: LRL 483-7C
LAMPS: 2-40WT12
LUMENS: 3150
EFFICIENCY: 50.7%

CANDLEPOWER SUMMARY

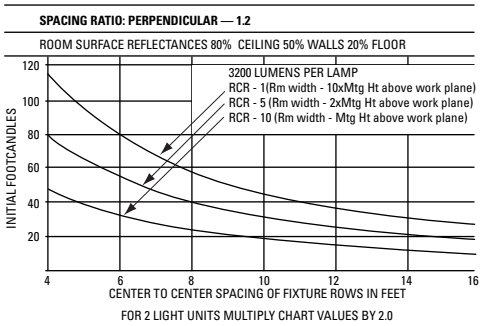
ZONE Deg	0	22	45	67	90
180	0	0	0	0	0
175	0	0	0	0	0
165	0	0	0	0	0
155	0	0	0	0	0
145	0	0	0	0	0
135	0	0	0	0	0
125	0	0	0	0	0
115	0	0	0	0	0
105	0	0	0	0	0
95	0	0	0	0	0
85	1	2	4	6	7
75	9	11	16	22	27
65	27	34	52	89	99
55	134	206	223	246	239
45	361	456	460	442	442
35	511	572	639	666	589
25	614	644	702	765	785
15	692	702	725	756	759
5	723	722	729	727	728
0	730	730	730	730	730

COEFFIENTS OF UTILIZATION

	% EFFECTIVE CEILING CAVITY REFLECTANCE								
	80			70			50		
	% WALL REFLECTANCE								
ROOM CAVITY RATIO	50	30	10	50	30	10	50	30	10
1	55	53	52	54	52	51	52	51	50
2	50	47	45	49	47	45	47	45	44
3	45	42	40	45	42	39	43	41	39
4	41	38	35	41	37	35	39	37	34
5	37	33	31	37	33	30	36	33	30
6	34	30	27	33	30	27	33	29	27
7	31	27	24	30	27	24	30	26	24
8	28	24	21	27	24	21	27	23	21
9	25	21	18	24	21	18	24	21	18
10	23	19	16	22	19	16	22	18	16

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% BARELAMP	%LUMINAIRE
0-901	597	50.7	100.00
90-180	0	0.0	0.0
0-180	1597	50.7	100.00


SPACING RATIO: PERPENDICULAR — 1.2
ROOM SURFACE REFLECTANCES 80% CEILING 50% WALLS 20% FLOOR
3200 LUMENS PER LAMP
RCR - 1(Rm width - 10xMtg Ht above work plane)
RCR - 5 (Rm width - 2xMtg Ht above work plane)
RCR - 10 (Rm width - Mtg Ht above work plane)
INITIAL FOOTCANDLES
120
100
80
60
40
20
4 6 8 10 12 14 16
CENTER TO CENTER SPACING OF FIXTURE ROWS IN FEET
FOR 2 LIGHT UNITS MULTIPLY CHART VALUES BY 2.0

Ordering Information

One Lamp

Catalog Number	Lamps	Length	Function
CD12-1121	1-2 Foot	21"	Modular Unit
CD12-1133	1-3 Foot	33"	Modular Unit
CD12-1145	1-4 Foot	45"	Modular Unit
CD12-1190	2-4 Foot	90"	Modular Unit
CD12-11T	1-4 Foot	27"–48"	Telescoping Unit
CD12-1C	—	12"	90° Universal Corner

*Each run MUST include a Telescoping fixture as the CD12 end plates only ship as part of the Telescoping fixture.

Two Lamps

Catalog Number	Lamps	Length	Function
CD12-1224	2-2 Foot	24"	Modular Unit
CD12-1236	2-3 Foot	36"	Modular Unit
CD12-1248	2-4 Foot	48"	Modular Unit
CD12-1296	4-4 Foot	96"	Modular Unit
CD12-12T	2-2 Foot	27"–48"	Telescoping Unit
CD12-1C	—	12"	90° Universal Corner

NOTE: Add to end of catalog number for desired ballast.
Blank = T12 Magnetic 120V
2 = T12 Magnetic 277V
E1 = T12 Electronic 120V
E2 = T12 Electronic 277V
E81 = T8 Electronic 120V
E82 = T8 Electronic 277V
M71 = T8 Electronic Dimming Ballast 120V
M72 = T8 Electronic Dimming Ballast 277V
HD1 = T8 PowerSpec® HDF Dimming 120V
HD2 = T8 PowerSpec® HDF Dimming 277V

Ordering Instructions

Continuous Rows:
1. Determine run length.
2. Determine lamp configuration (1 or 2 lamp).
3. Use Ordering Information Chart to find catalog numbers.
   A. Each run ends with a TELESCOPING UNIT.
   B. Starting with the longest MODULAR UNIT, fill in the remaining run.

Square/Rectangle Patterns:
1. Consult plans and mark locations of corners.
2. Calculate net footage of each linear run.
3. Deduct 12" for each corner.
4. Determine catalog numbers the same way as a STRAIGHT RUN.

Job Information **Type:**

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